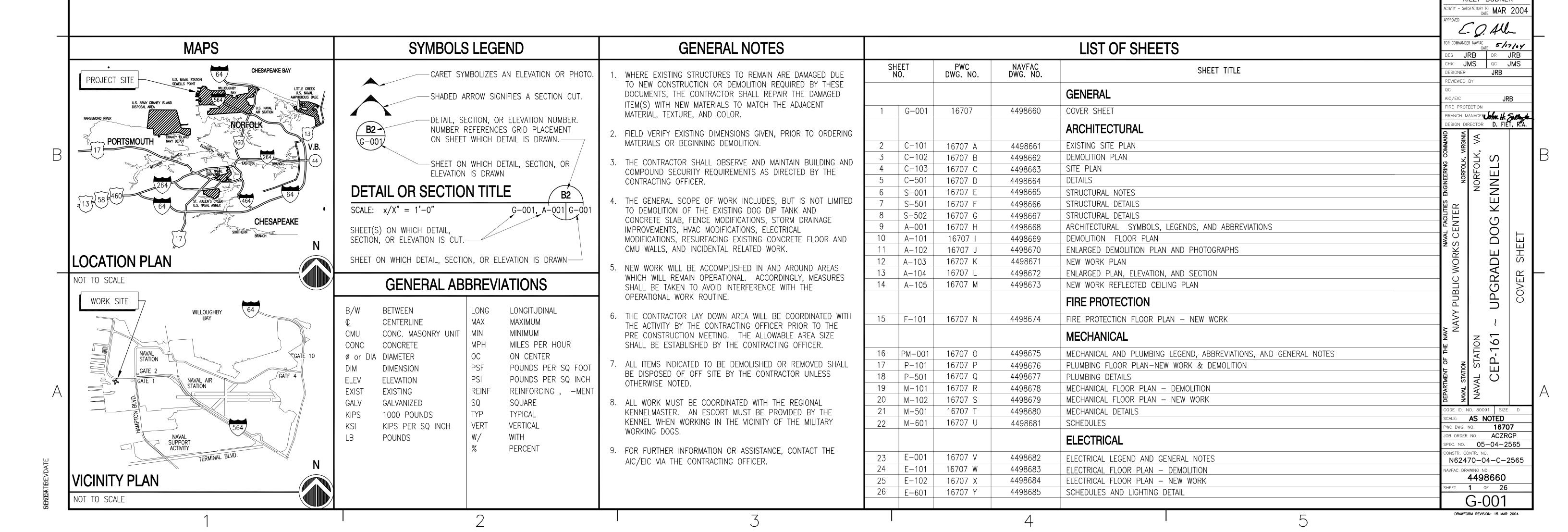
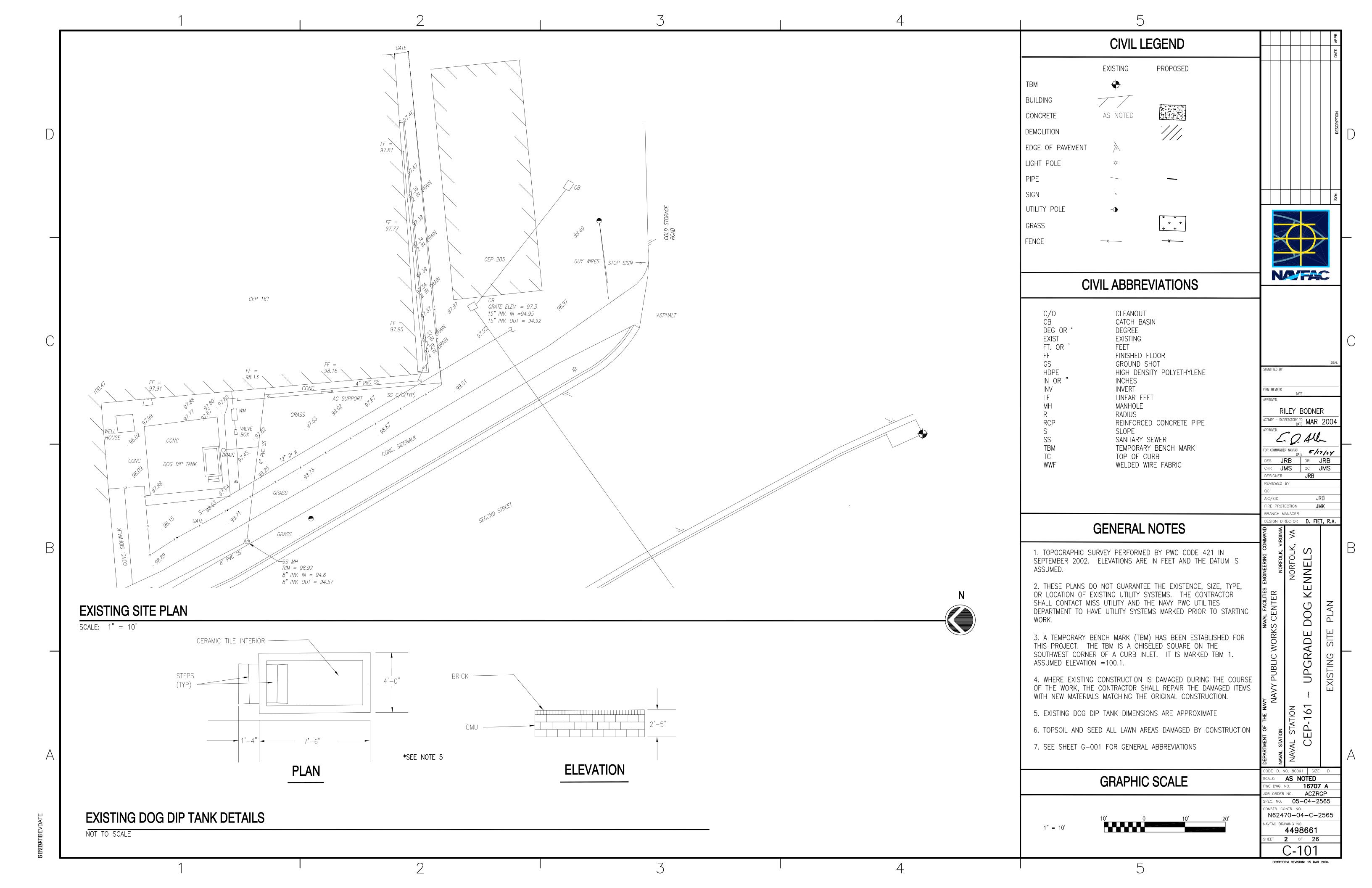
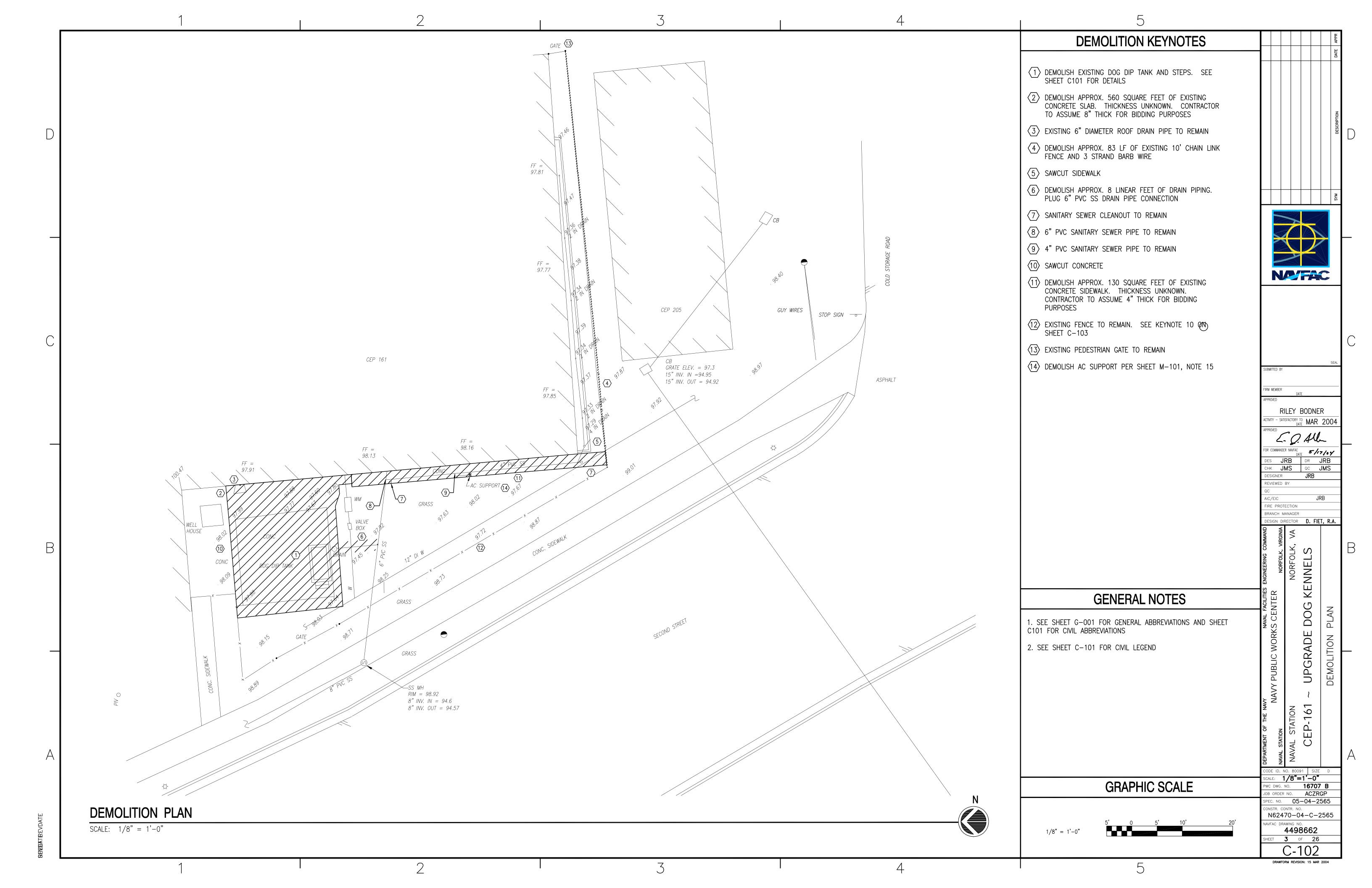
## CEP 161 UPGRADE DOG KENNELS

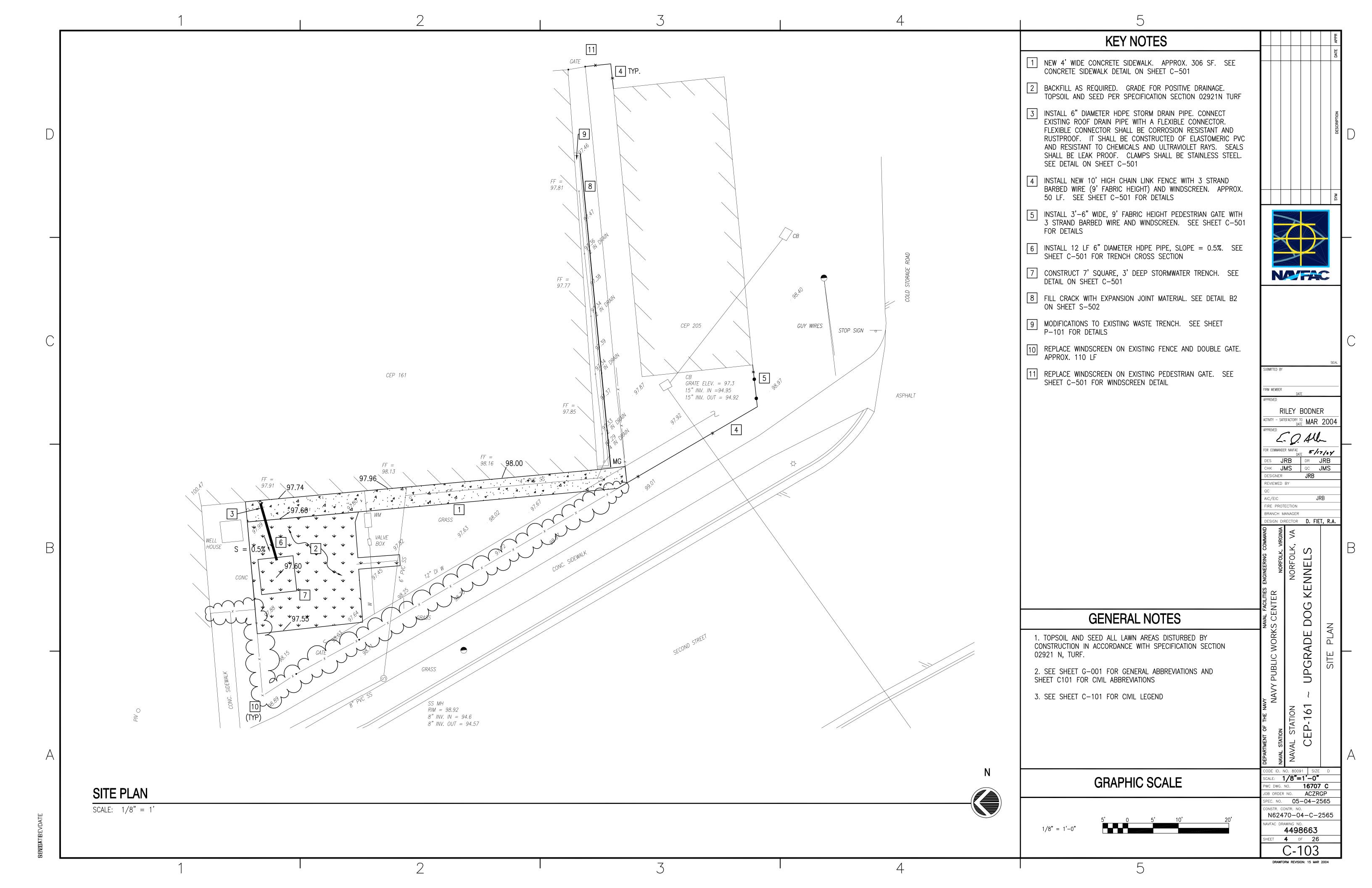
NAVAL STATION • NORFOLK, VIRGINIA

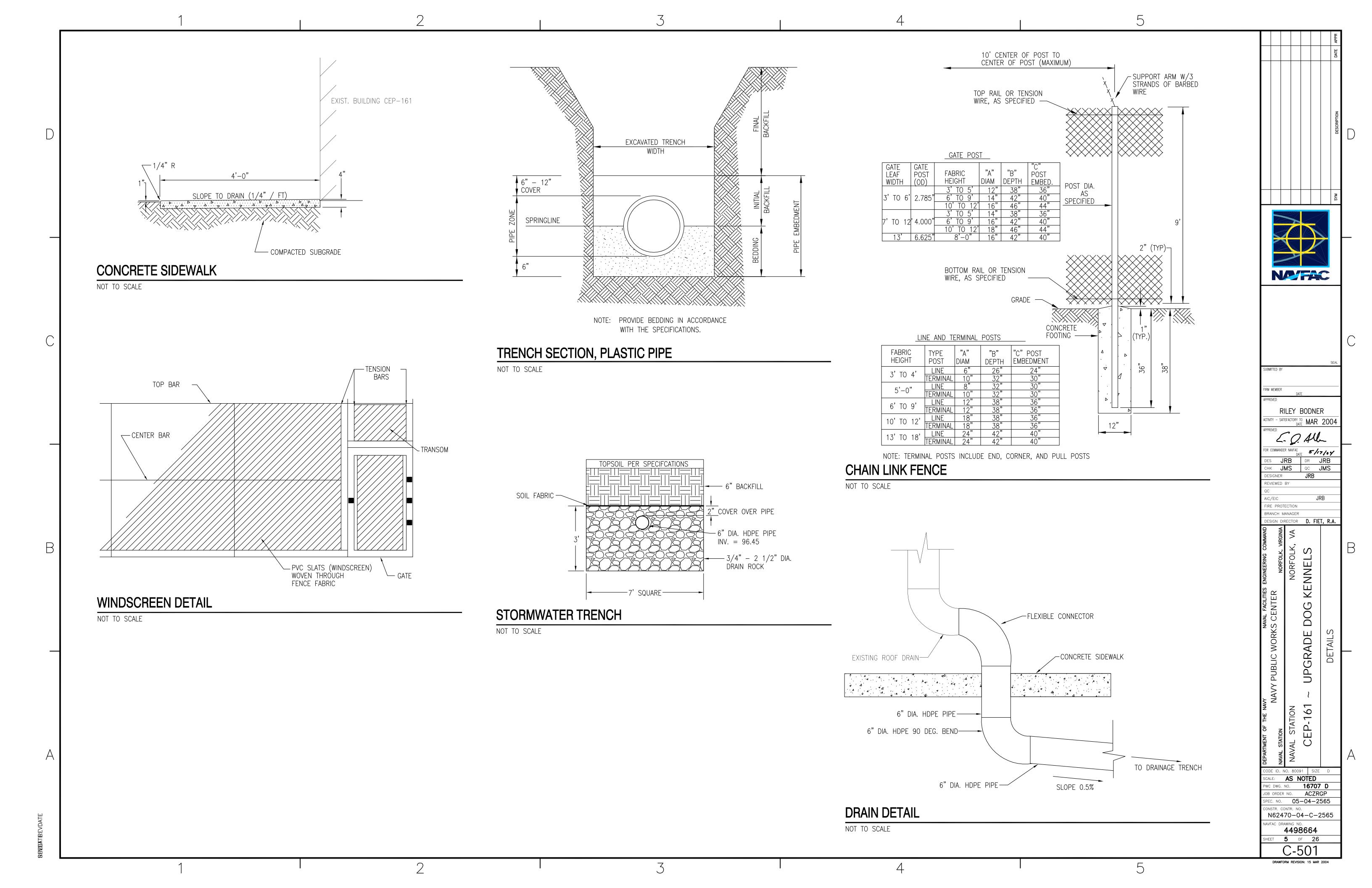
# NAVY PUBLIC WORKS CENTER ENGINEERING DEPARTMENT



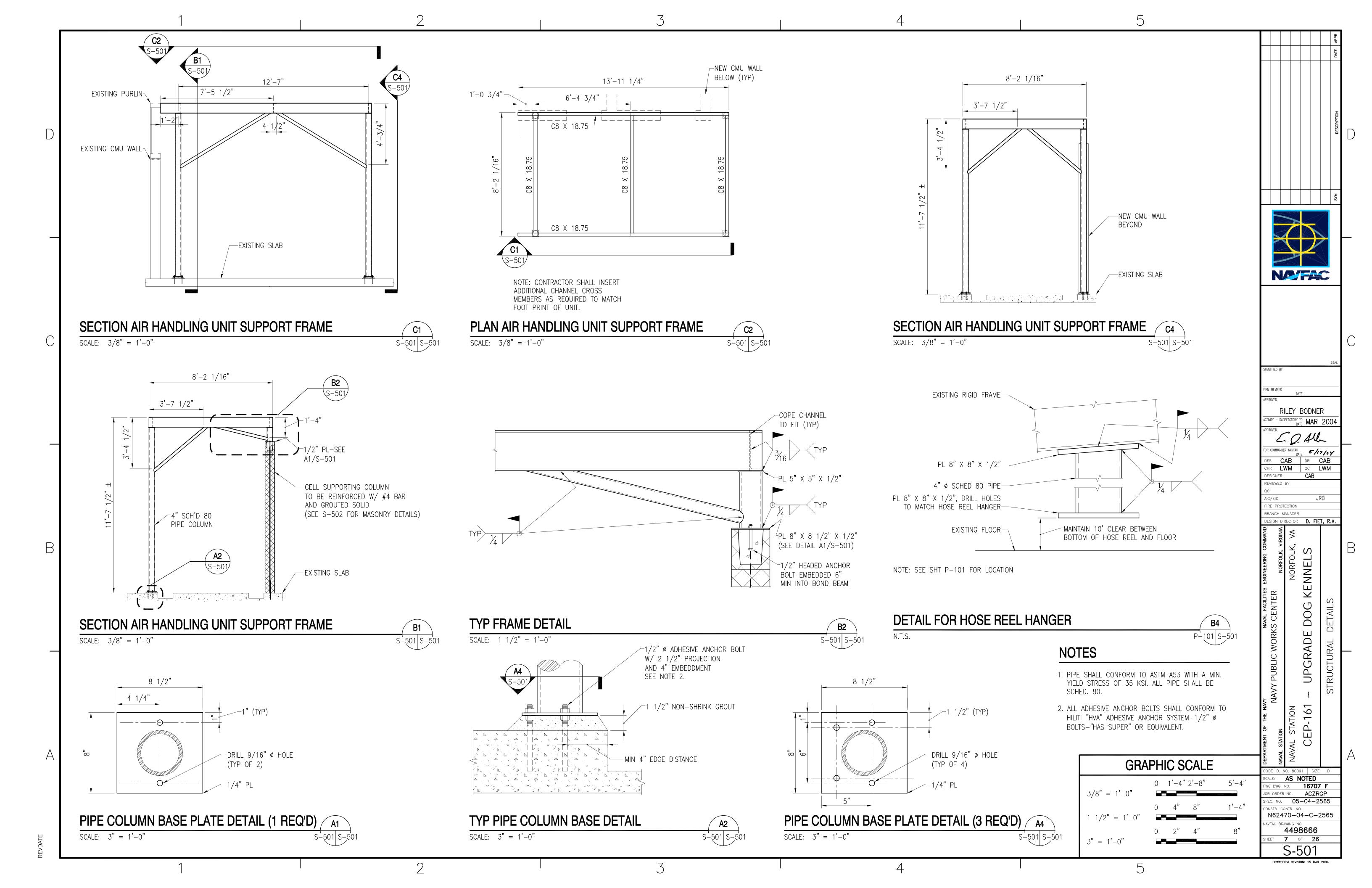


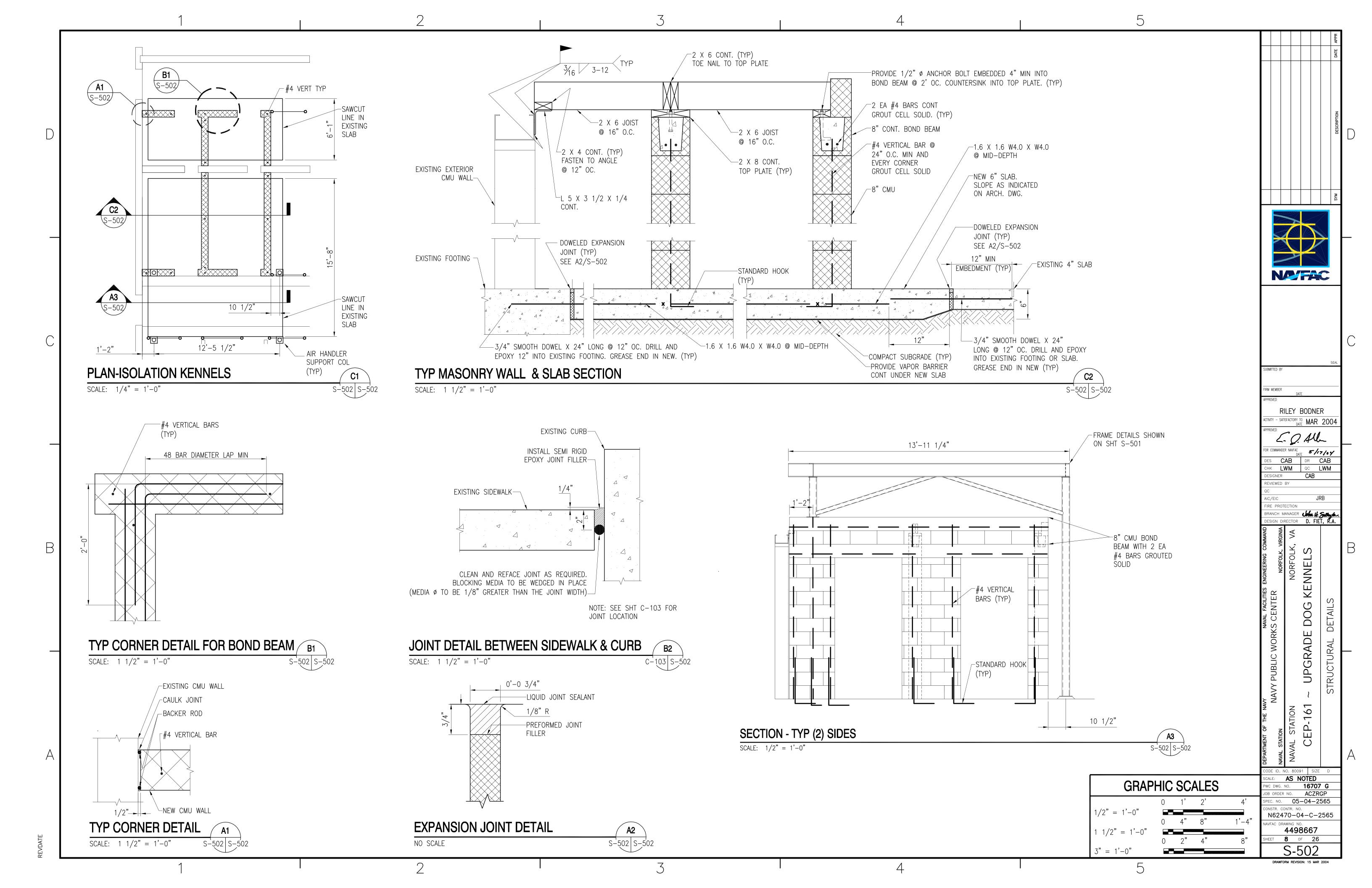


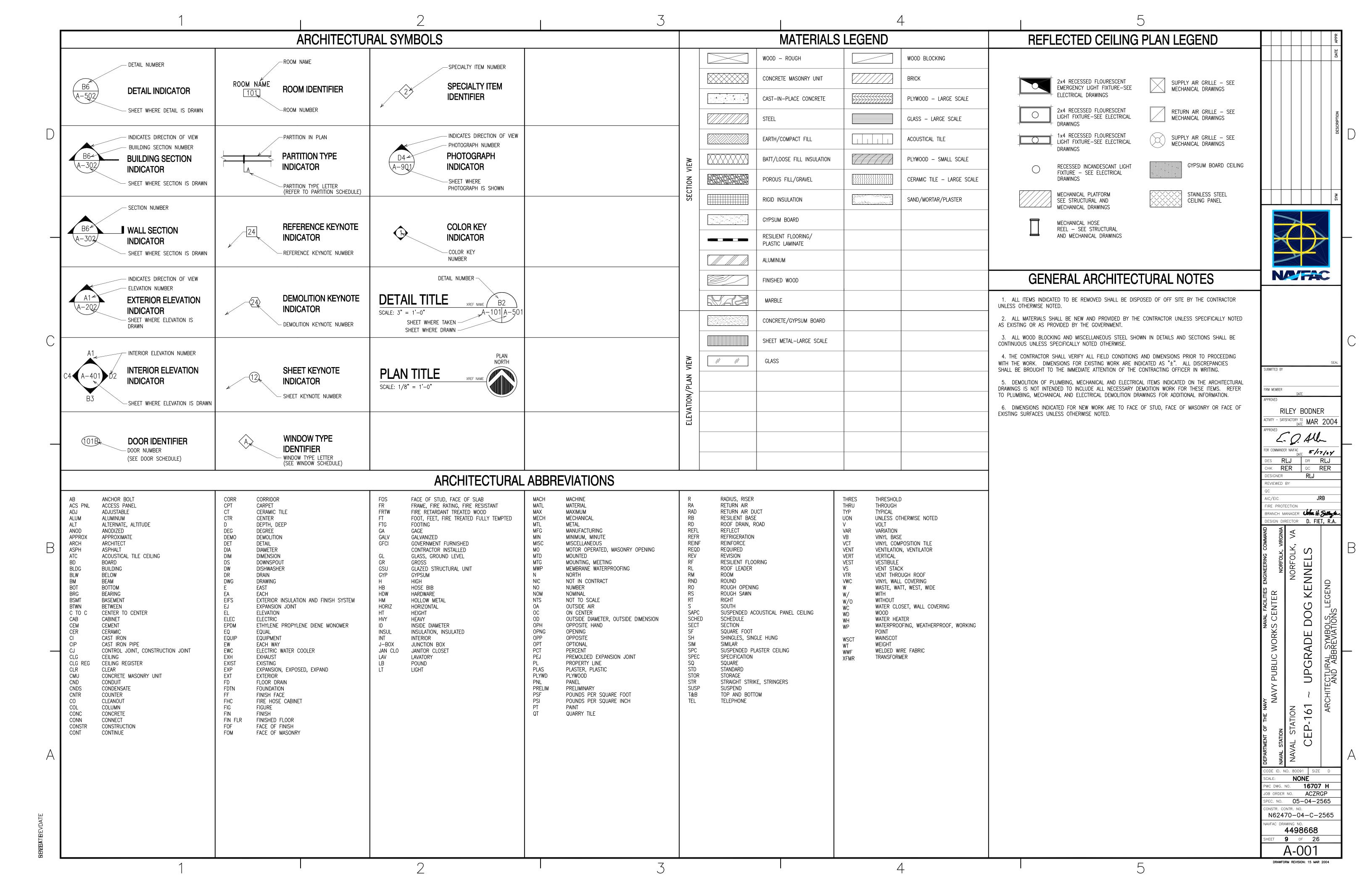


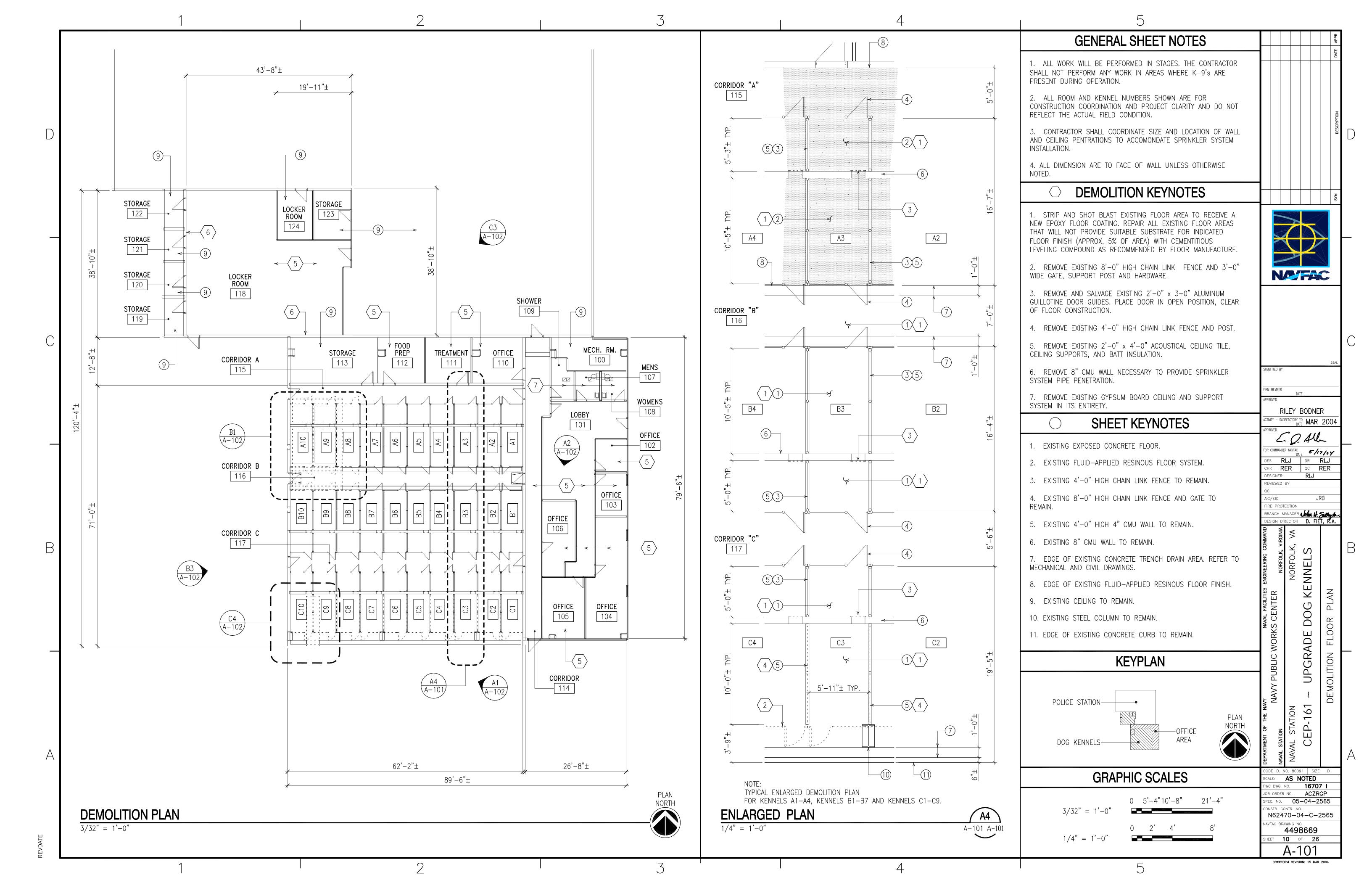


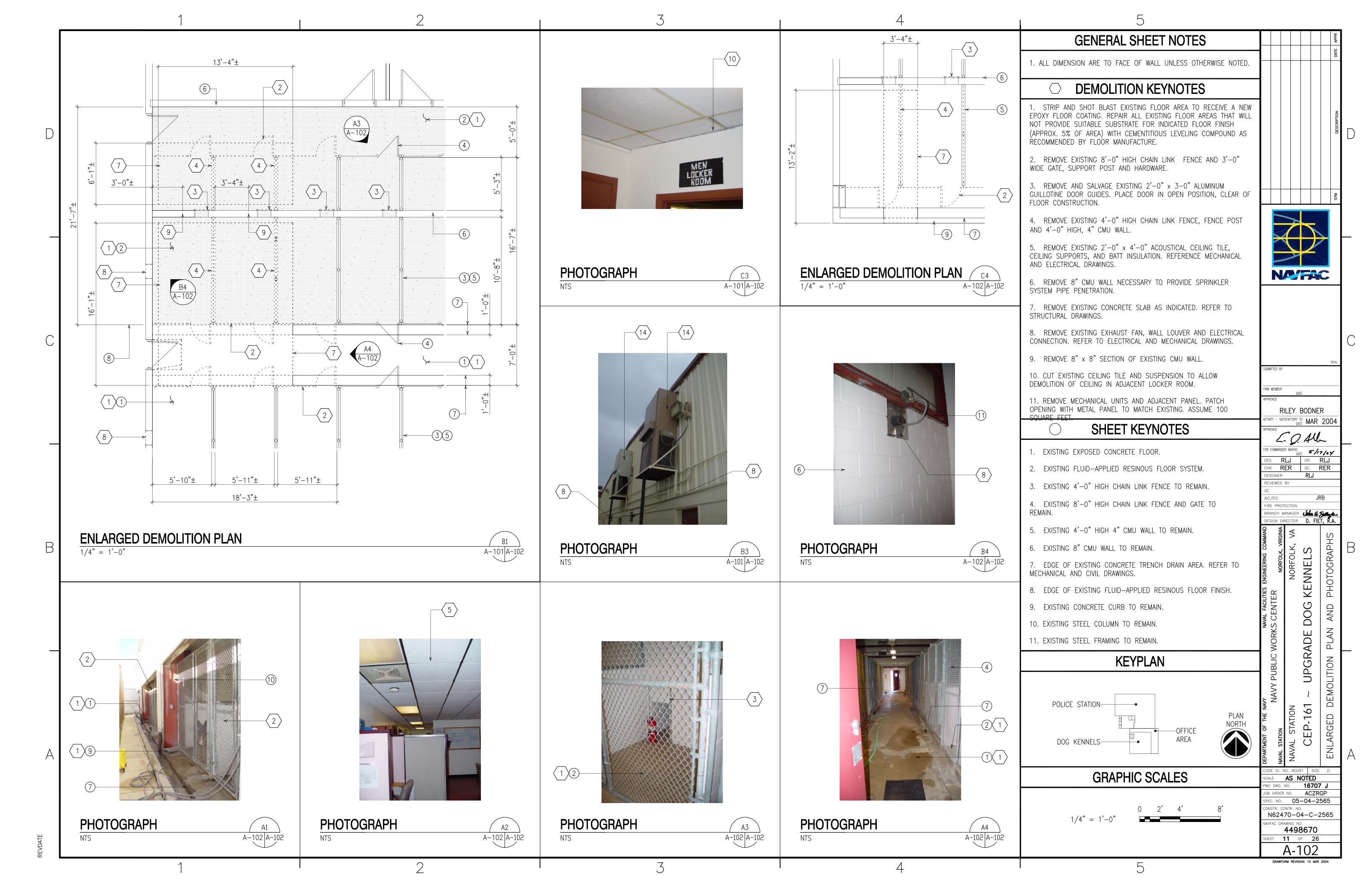
			· ·		
ENERAL NOTES:	CAST-IN-PLACE CONCRETE NOTES:	STRUCTURAL STEEL NOTES:		STRUCTURAL ABBREVIATIONS	
THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, CIVIL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS, AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND ADDITIONAL ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.	CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN A 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:      A) SLAB ON GRADE	<ol> <li>STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:</li> <li>A) STRUCTURAL STEEL SHAPES, PLATES AND BARS (EXCEPT W-SHAPES)— ASTM A36, Fy=36 KSI</li> <li>B) STRUCTURAL STEEL W-SHAPES— ASTM A992/A572, Fy=50 KSI</li> </ol>		AFF ABOVE FINISHED FLOOR ARCH ARCHITECT, —URAL BLDG BUILDING BOD BOTTOM OF DECK BOT BOTTOM BRCG BRACING	
THE CONTRACTOR SHALL PROVIDE THE TEMPORARY SHORING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT SUPPORTS AND LATERAL BRACING ARE IN PLACE.  THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, AND OTHER REQUIREMENTS NECESSARY FOR THE	A) REINFORCING BARS — ASTM 615, GRADE 60, DEFORMED B) WELDED WIRE FABRIC — ASTM A 185, WELDED STEEL WIRE FABRIC, SHEET TYPE, ROLL TYPE NOT ACCEPTABLE  3. ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR BOLTS AND WELD PLATES SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN AND ADEQUATELY TIED AND	2. EXTERIOR EXPOSED STEEL SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153. REPAIR DAMAGE TO GALVANIZED COATINGS USING ASTM A780 ZINC RICH PAINT FOR GALVANIZING DAMAGED BY HANDLING, TRANSPORTING, CUTTING, WELDING, OR BOLTING. DO NOT HEAT SURFACES TO WHICH REPAIR PAINT HAS BEEN APPLIED. ZINC RICH COMPOUND SHALL BE 95% METALLIC ZINC, BY WEIGHT IN DRIED FILM CONFORMING TO FED. SPEC. DOD—P—21035A AND MEETING MIL SPEC.		BRDG BRIDGING BRG BEARING C CHANNEL CJ CONTROL JOINT CL CENTER LINE CLR CLEAR CMU CONCRETE MASONRY UNIT	
PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER.  LIVE LOADS USED IN THE DESIGN OF THESE STRUCTURES ARE AS FOLLOWS:	SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.  4. CONCRETE COVER TO REINFORCING STEEL SHALL CONFORM TO THE MINIMUM COVER RECOMMENDATIONS IN ACI 318-02 UNLESS THE DRAWINGS SHOW GREATER COVER REQUIREMENTS.	MIL-P-26915A. PROVIDE TWO COATS WITH 2 MIL THICKNESS PER COAT FOR A TOTAL OF 4 MILS.  3. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL". WELD ELECTRODES SHALL BE E70XX. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS FILLET WELDS WITH MINIMUM SIZE REQUIRED BY TABLE J2.4 OF THE "MANUAL"		CONC CONCRETE  CONT CONTINUOUS  DIA (or) Ø DIAMETER  DWGS DRAWINGS  EA EACH  EF EACH FACE	
SLAB-ON-GRADE	<ul> <li>5. LAP CONTINUOUS REINFORCING STEEL A MINIMUM LENGTH OF 36 x BAR DIAMETERS OF THE SMALLER BAR BEING LAPPED.</li> <li>6. ALL EMBEDDED ITEMS, SUCH AS ANCHOR BOLTS SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN AND ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.</li> </ul>	OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN".  4. PRIOR TO WELDING, THE CONTRACTOR SHALL SUBMIT CERTIFICATION FOR EACH WELDER STATING THE TYPE OF WELDING AND POSITIONS QUALIFIED FOR, THE CODE AND PROCEDURE QUALIFIED UNDER, DATE QUALIFIED, AND THE FIRM AND INDIVIDUAL CERTIFYING THE QUALIFICATION TESTS.		EL ELEVATION  EQ , EQUIV EQUAL , EQUIVALENT  EW EACH WAY  EXIST EXISTING  f'c COMPRESSIVE STRESS  FDN FOUNDATION	
		5. NON-SHRINK GROUT SHALL CONFORM TO ASTM C1107, WITH NO ASTM C827 SHRINKAGE (GROUT SHALL BE NONMETALLIC).		FF EL FINISHED FLOOR ELEVATION FIN FLR FINISHED FLOOR FOB FACE OF BRICK FOM FACE OF MASONRY FOS FACE OF SLAB FTG FOOTING GALV GALVANIZED HORIZ HORIZONTAL	SUBMITTED BY
DUNDATION NOTES:	CONCRETE MASONRY NOTES:	STEEL DECK NOTES:		HSS HOLLOW STRUCTURAL SHAPES  JBE JOIST BEARING ELEVATION  JT JOINT  KCJ KEYED CONSTRUCTION JOINT  KB KNUCKLED BEAM  KSI KILOPOUNDS (KIPS) PER SQUARE INCH	FIRM MEMBER  APPROVED  RILEY BODNE  ACTIVITY - SATISFACTORY TO DATE  APPROVED  FOR COMMANDER NAVFAC DATE  DATE
FOUNDATIONS FOR THIS STRUCTURE HAVE BEEN DESIGNED FOR A BEARING PRESSURE OF 1000 PSF.	<ol> <li>CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND BE MADE WITH LIGHTWEIGHT AGGREGATE. THE COMPRESSIVE STRENGTH OF MASONRY, f'm, EXPRESSED AS FORCE PER UNIT OF NET CROSS—SECTIONAL AREA, SHALL BE 1500 PSI AT 28 DAYS.</li> <li>REINFORCING STEEL SHALL COMPLY WITH ASTM A 615, GRADE</li> </ol>	1. STEEL DECK SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), "SPECIFICATION FOR THE DESIGN OF COLD—FORMED STEEL STRUCTURAL MEMBERS" AND THE STEEL DECK INSTITUTE (SDI), "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, AND ROOF DECKS."		L ANGLE LB POUND LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LONG LONGITUDINAL MAS MASONRY MATL MATERIAL	DATE  DES CAB DR  CHK LWM QC  DESIGNER CAB  REVIEWED BY  QC  AIC/EIC J  FIRE PROTECTION  BRANCH MANAGER
	<ul> <li>60. SHOP FABRICATE REINFORCING BARS WHICH ARE SHOWN TO BE BENT OR HOOKED.</li> <li>3. GROUT SHALL COMPLY WITH ASTM C476, AND SHALL BE PROPORTIONED TO OBTAIN A 28 DAY STRENGTH OF 2500 PSI.</li> <li>4. MORTAR SHALL COMPLY WITH ASTM C270, TYPE S OR M.</li> </ul>	2. STEEL DECK SHALL COMPLY WITH THE FOLLOWING:  A) ROOF DECK SHALL BE GALVANIZED 1½×20 GAGE TYPE B RIB DECK SPANNING PERPENDICULAR TO SUPPORTS. UNLESS OTHERWISE NOTED, ATTACH DECK TO SUPPORTS WITH # 10 TEK SCREWS IN ALL RIBS WHERE SIDELAPS OCCUR AND AT 12" OC ALONG SUPPORTS. FASTEN SIDE LAPS WITH #10 SELF—TAPPING HEX HEAD SCREWS AT ½ POINTS BETWEEN		MAX MAXIMUM  MD METAL DECK  MECH MECHANICAL  MFR MANUFACTURER  MIN MINIMUM  MOS MID—DEPTH OF SLAB	NORFOLK, VIRGINIA NORFOLK, VA
	AGGREGATE FOR MORTAR SHALL COMPLY WITH ASTM C144. AGGREGATE FAILING TO COMPLY WITH ASTM C144 GRADATION REQUIREMENTS MAY BE USED PROVIDED THE MORTAR CAN BE PREPARED TO COMPLY WITH THE AGGREGATE RATIO, WATER RETENTION, AND COMPRESSIVE STRENGTH REQUIREMENTS OF THE PROPERTY SPECIFICATIONS OF ASTM C270.	SUPPORTS ALONG SIDELAPS.  3. STEEL DECK SHALL SPAN A MINIMUM OF THREE CONTINUOUS SPANS UNLESS OTHERWISE NOTED OR SHOWN.		MPH MILES PER HOUR  # NUMBER  NTS NOT TO SCALE  OC ON CENTER  OPH OPPOSITE HAND  OPNG OPENING	NAVAL FACILITIES I
	<ul> <li>5. PROVIDE VERTICAL REINFORCING BARS OF THE GIVEN SIZE AND SPACING SHOWN ON THE FOUNDATION PLANS. LAP ALL REINFORCING 48 x BAR DIAMETERS AT ALL SPLICES.</li> <li>6. PROVIDE REINFORCING STEEL DOWELS OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING FROM THE SUPPORTING STRUCTURE.</li> </ul>	4. PERMANENT SUSPENDED LOADS SHALL NOT BE SUPPORTED BY STEEL ROOF DECK.		PC PIECE PL PLATE PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH REF REFERENCE REINF REINFORCE	VAVY PUBLIC WOI   UPGRAD
	<ol> <li>PROVIDE HORIZONTAL BOND BEAMS WITH CONTINUOUS     REINFORCING AS SHOWN IN THE SECTIONS AND DETAILS.     DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS     EXCEPT FOR THE BOND BEAMS AT JOIST BEARING ELEVATIONS.</li> <li>PROVIDE STANDARD 9 GAGE LADDER TYPE HORIZONTAL JOINT</li> </ol>			REQD REQUIRED  SHT SHEET  SIM SIMILAR  STD STANDARD  T&B TOP AND BOTTOM	N NETATION (VAL STATION CEP-161
	REINFORCING IN CMU WALLS AT 16" OC AND IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS, EXTENDING A MINIMUM OF 2'-0" BEYOND THE JAMB ON EACH SIDE OF THE OPENING, EXCEPT AT CONTROL JOINTS.			THK THICKNESS  TOF TOP OF FOOTING  TOM TOP OF MASONRY  TOS TOP OF STEEL  TS THICKENED SLAB  TYP TYPICAL	CODE ID. NO. 80091 SIZ  SCALE: NONE  PWC DWG. NO. 1670  JOB ORDER NO. ACZE  SPEC. NO. 05-04-2  CONSTR. CONTR. NO.
				UON UNLESS OTHERWISE NOTED  VERT VERTICAL  W/ WITH  WWF WELDED WIRE FABRIC	N62470-04-C-  NAVFAC DRAWING NO.  4498665  SHEET 6 OF 26

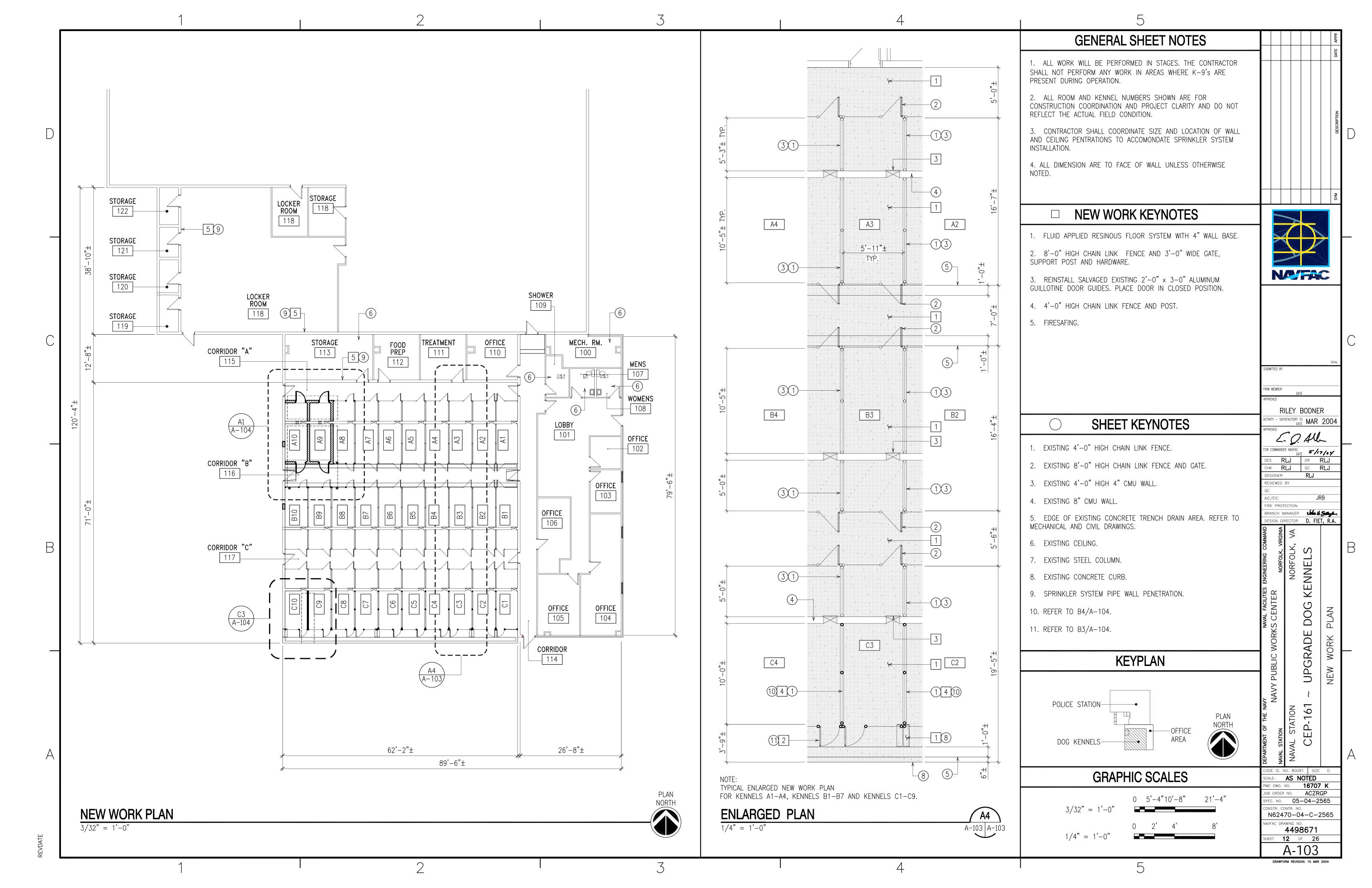


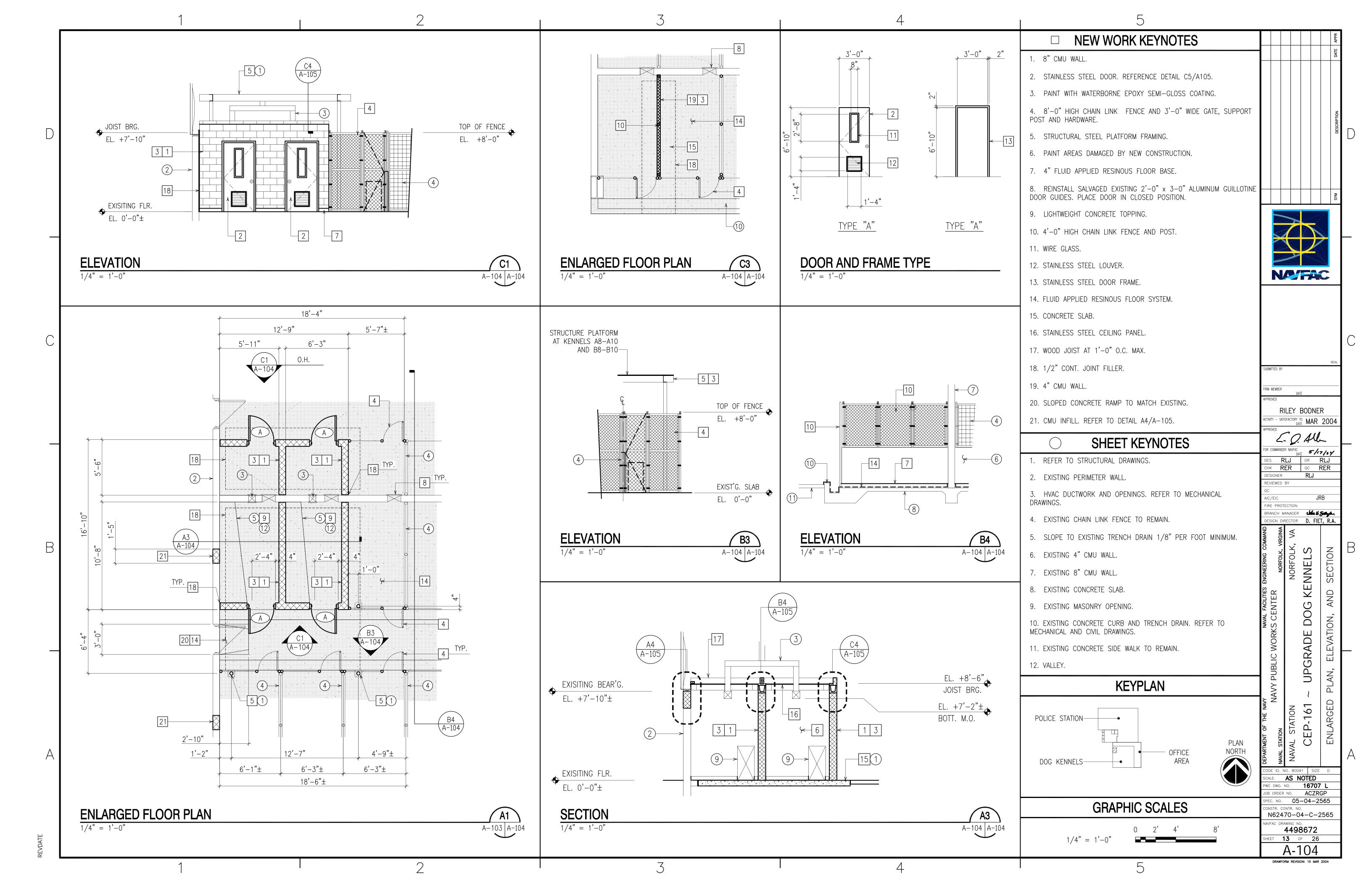


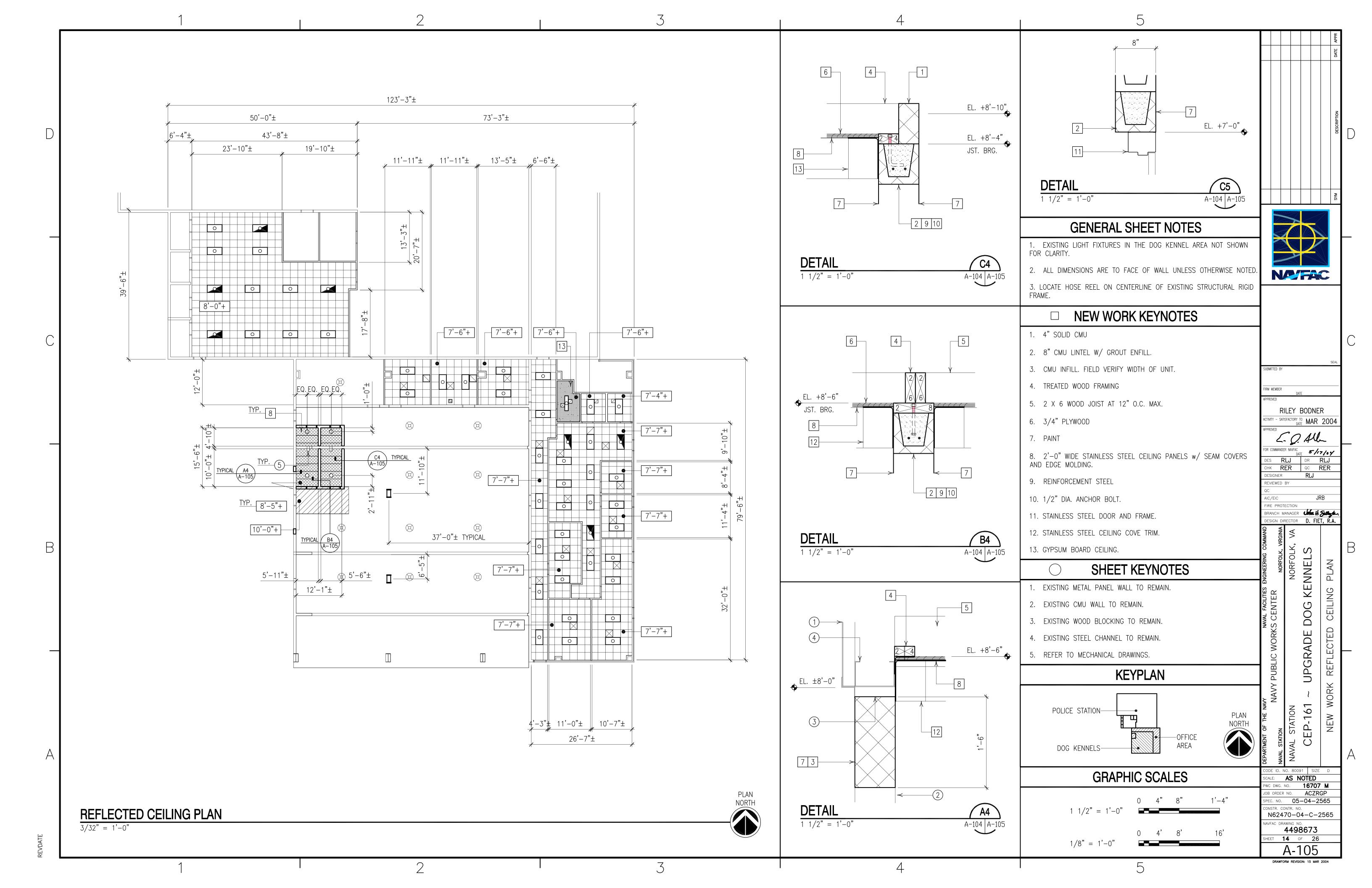


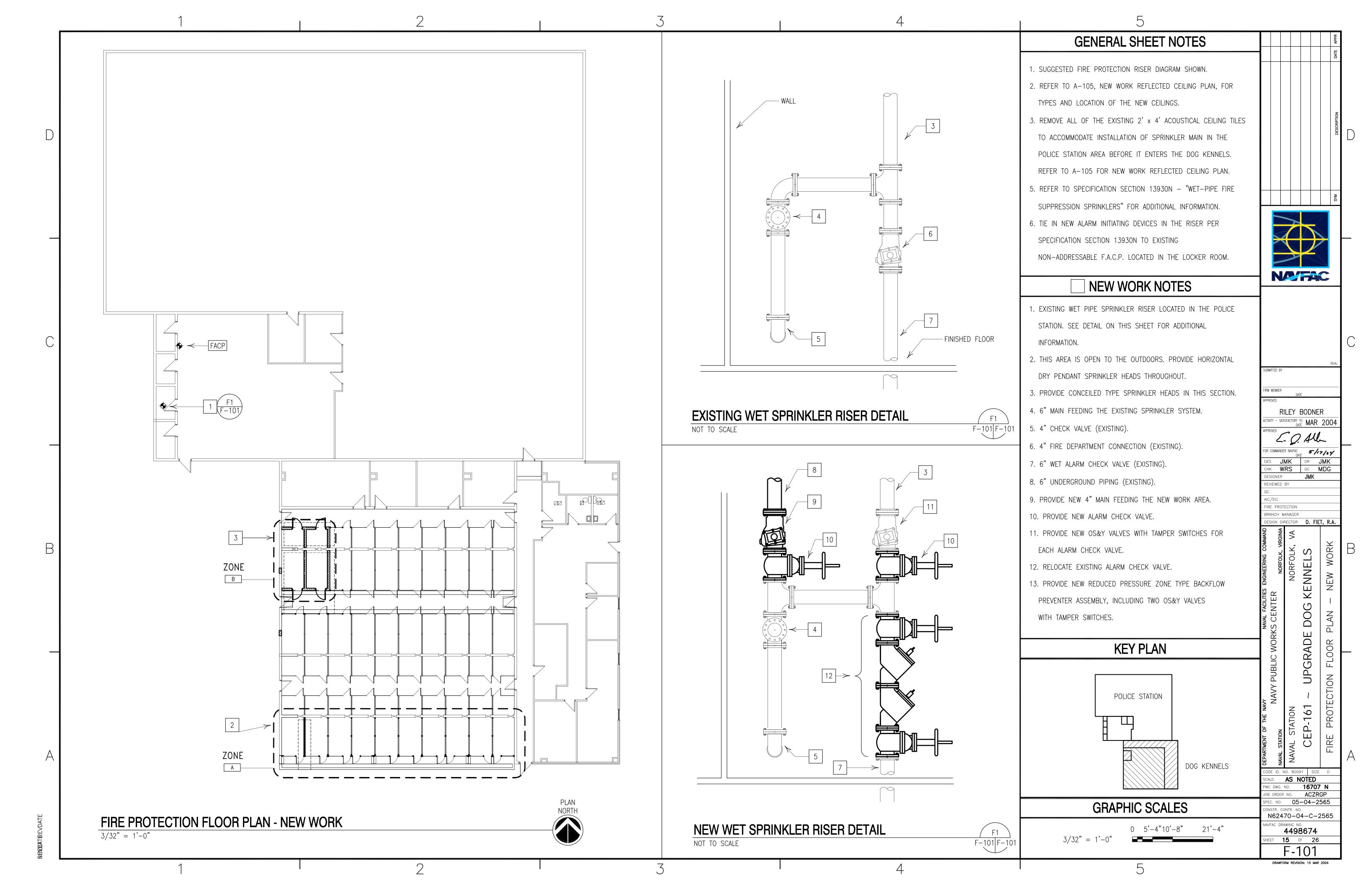






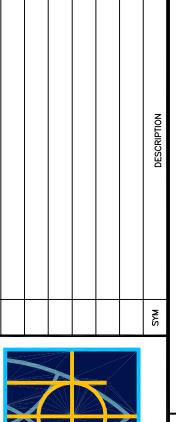






## **GENERAL NOTES**

- 1. GENERAL NOTES ON THIS DRAWING ARE APPLICABLE TO EACH DRAWING OF THIS SET. GENERAL NOTES SPECIFIC TO INDIVIDUAL DRAWINGS WILL BE SHOWN ON THE RESPECTIVE DRAWING.
- 2. THE CONTRACTOR SHALL PROVIDE A COMPLETE HVAC SYSTEM TO INCLUDE ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL SYSTEM INCLUDING ALL NECESSARY APPURTENANCES CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED OUT.
- 3. ENTIRE INSTALLATION, INCLUDING MATERIALS, EQUIPMENT, AND WORKMANSHIP, SHALL CONFORM WITH ALL APPLICABLE LAWS, CODES, AND REGULATIONS OF MUNICIPAL, STATE, AND FEDERAL AUTHORITIES, ALSO THE LATEST EDITION OF THE STATE BUILDING CODES, APPLICABLE ASHRAE, NFPA, AND SMACNA STANDARDS AND OTHER REGULATORY BODIES HAVING JURISDICTION OVER THE CLASS OF WORK. WHERE APPLICABLE, MATERIALS AND EQUIPMENT SHALL HAVE STAMPS OR SEALS OF ARI, ASME, UL, OR ASTM. THE CONTRACTOR SHALL MAKE TESTS FOR ACCEPTANCE AND APPROVAL BY CODE AND THE REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES. REQUIRED TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE GOVERNMENT UNLESS OTHERWISE WAIVED IN WRITING.
- 4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSEES, DOCUMENTS, AND SERVICES RELATED TO INSTALLATION OF THE WORK.
- 5. PRIOR TO SUBMITTING A PROPOSAL THE CONTRACTOR IS STRONGLY ENCOURAGED TO VISIT THE SITE AND THOROUGHLY INSPECT ALL EXISTING CONDITIONS TO ENSURE THAT THE WORK REPRESENTED ON THE DRAWINGS CAN BE INSTALLED AS INDICATED.
- 6. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES IN ORDER TO RESOLVE ANY CONFLICTS THAT MIGHT ARISE DUE TO THE LOCATION OF EQUIPMENT OR THE USE OF THE SPACE.
- 7. CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- 8. RUN ALL HORIZONTAL PIPING AND DUCTWORK ABOVE CEILING UNLESS OTHERWISE NOTED.
- 9. EXISTING DUCT, PIPE, AND EQUIPMENT SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DUCT, PIPE, AND EQUIPMENT SIZES AND THEIR RESPECTIVE LOCATIONS BEFORE PROCEEDING WITH ANY ASSOCIATED WORK OR ORDERING EQUIPMENT AND MATERIALS.
- CUT OPENINGS, AS REQUIRED, IN THE EXISTING CONSTRUCTION FOR THE INSTALLATION OF PIPING, DUCTWORK, AND EQUIPMENT. PATCH AND REPAIR TO MATCH THE EXISTING ADJACENT CONSTRUCTION.
- 11. SIZES GIVEN FOR DUCTWORK ON PLANS ARE INSIDE CLEAR DIMENSIONS.
- 12. ALL ELBOWS IN DUCTWORK SHALL BE RADIUS ELBOWS, UNLESS NOTED OTHERWISE. WHERE SQUARE ELBOWS ARE SHOWN, INSTALL
- 13. ALL DIFFUSERS ARE FOUR WAY BLOW UNLESS OTHERWISE INDICATED ON PLANS.
- 14. PROVIDE ADJUSTING HANDLES FOR DUCT MOUNTED VOLUME DAMPERS WITH RODS OF SUFFICIENT STAND-OFF LENGTH, SUCH THAT THE HANDLE DOES NOT COMPRESS THE INSULATION, OR DAMAGE THE INSULATION WHEN ADJUSTED.
- 15. LAYOUT OF PIPING IS DIAGRAMMATIC. RUN ALL EXPOSED PIPING AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. ALLOW FOR RISES, DROPS, AND OFFSETS AS REQUIRED.
- 16. PITCH CONDENSATE DRAIN PIPING IN THE DIRECTION OF FLOW A MINIMUM OF 1/4" PER FOOT.
- 17. INSTALL MECHANICAL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE, AND REPAIR OR REPLACEMENT OF EQUIPMENT COMPONENTS. AS MUCH AS PRACTICAL, CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH A MINIMUM OF INTERFERENCE WITH OTHER INSTALLATIONS. PIPING SHALL NOT INTERFERE WITH FILTER PULL.
- 18. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S WRITTEN/PUBLISHED RECOMMENDATIONS.
- 19. LOCATE TEMPERATURE THERMOSTATS 60" ABOVE FINISHED FLOOR OR AS NOTED ON PLANS.



NO/FAC

RILEY BODNER CTIVITY - SATISFACTORY TO MAR 2004

E. J. Alla COMMANDER NAVFAC

DES RDL DR RDL HK WDS QC JMS DESIGNER JRB

BRANCH MANAGER WRSLA. ESIGN DIRECTOR D. FIET, R.A.

> KENNEL MECHANICAL AND PLUMBING LEGEND ABBREVIATIONS AND GENERAL NOTES NORKS CENTER

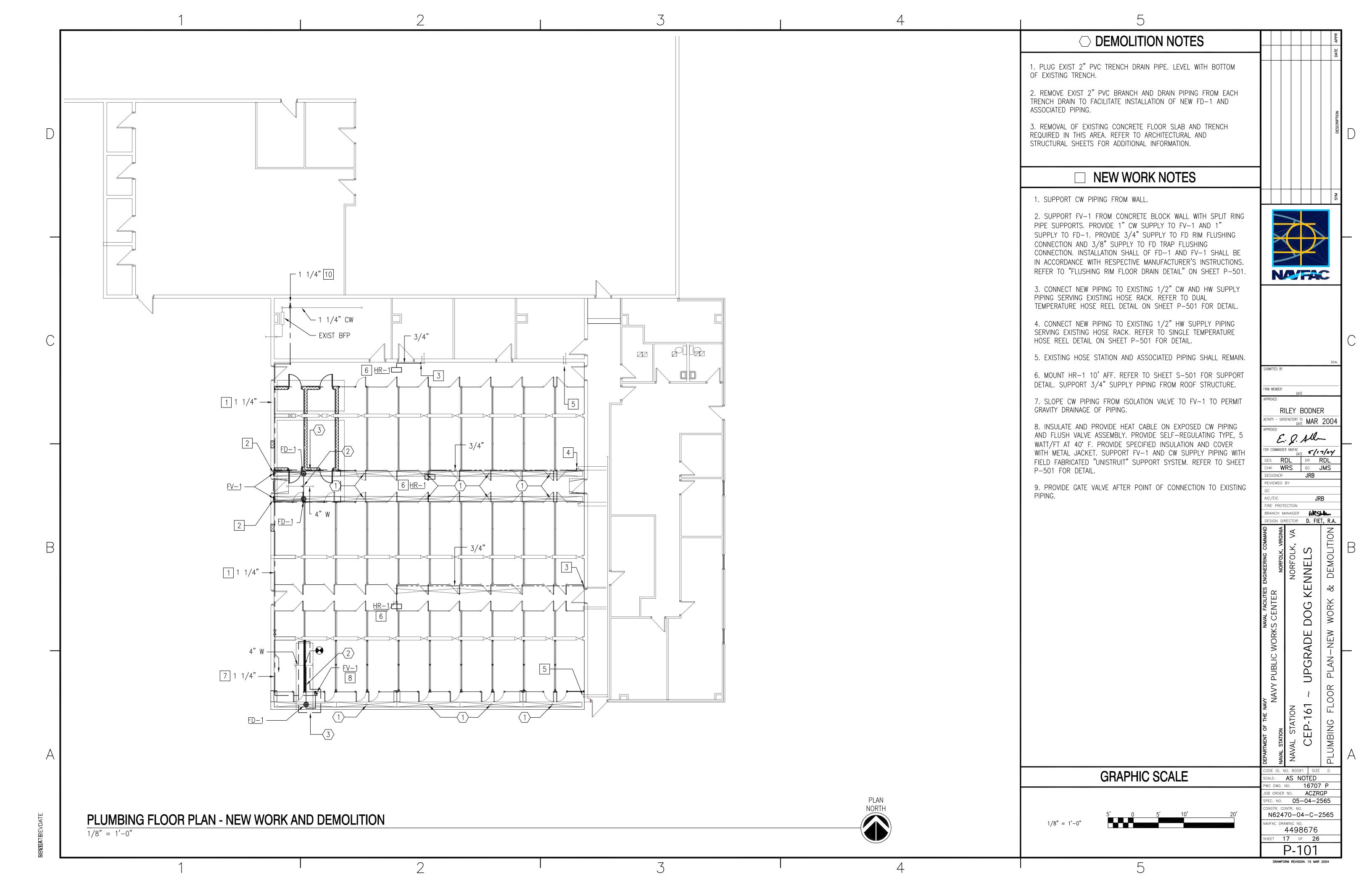
UPGRADE

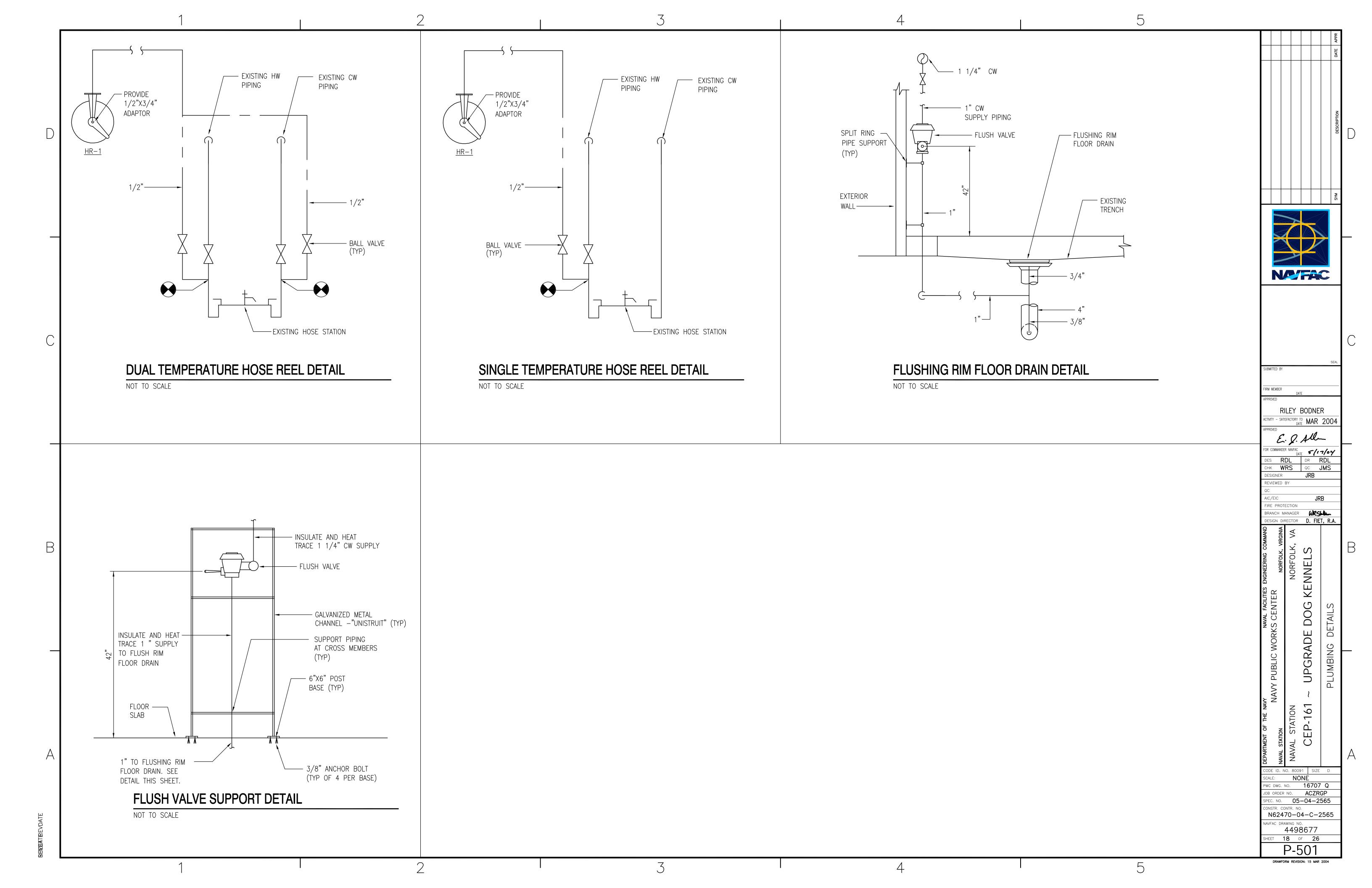
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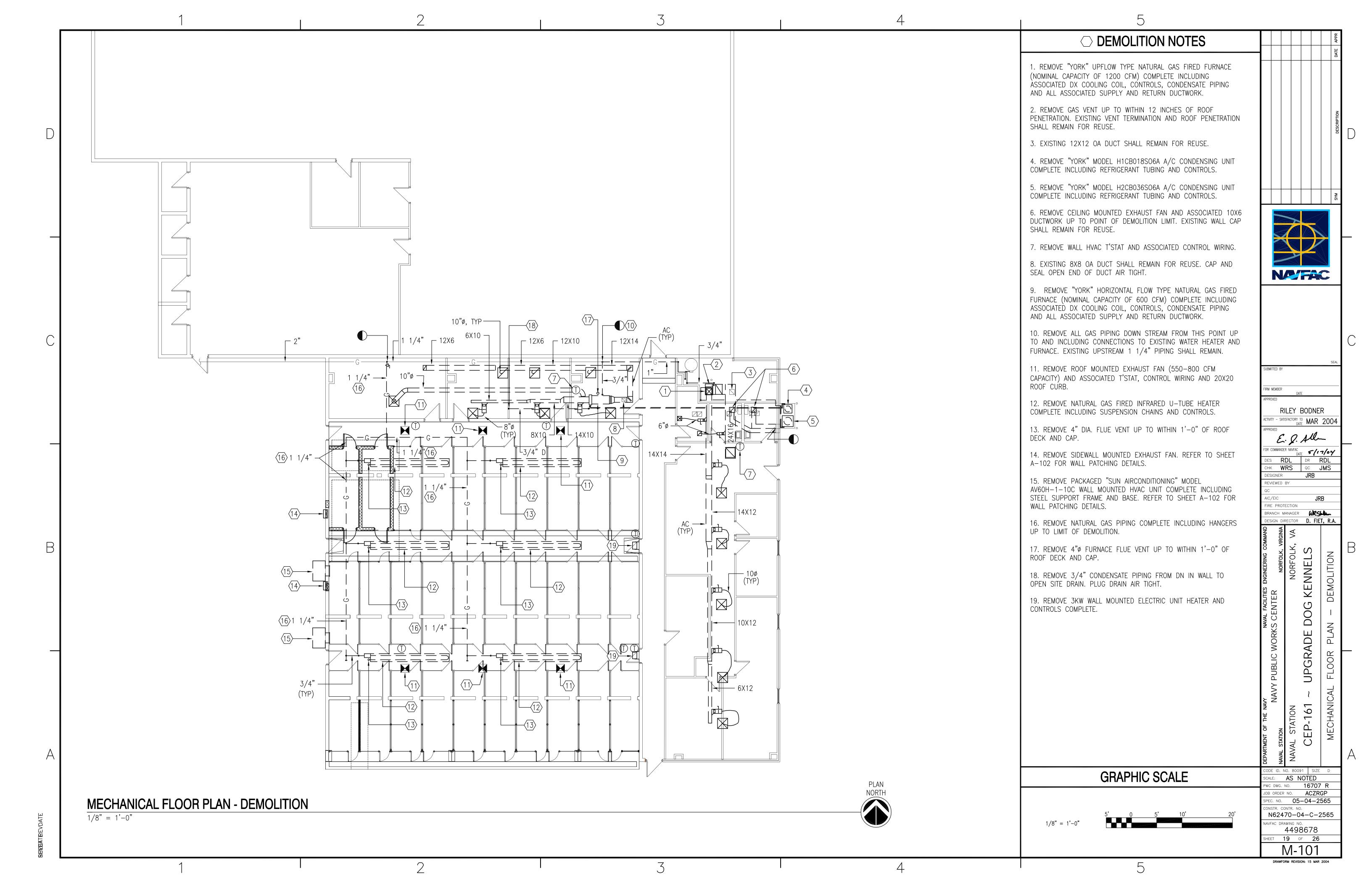
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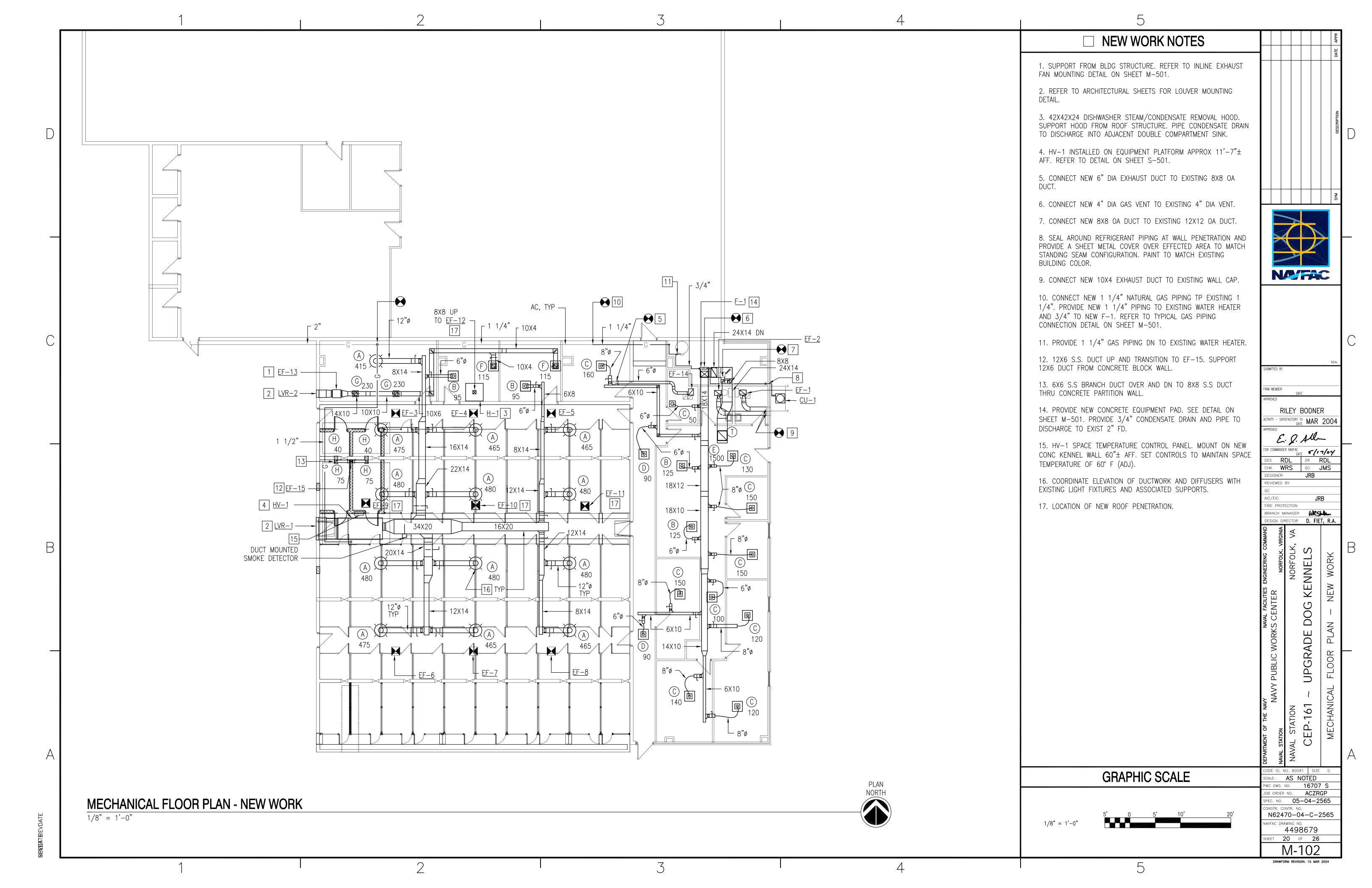
DRAWFORM REVISION: 15 MAR 2004

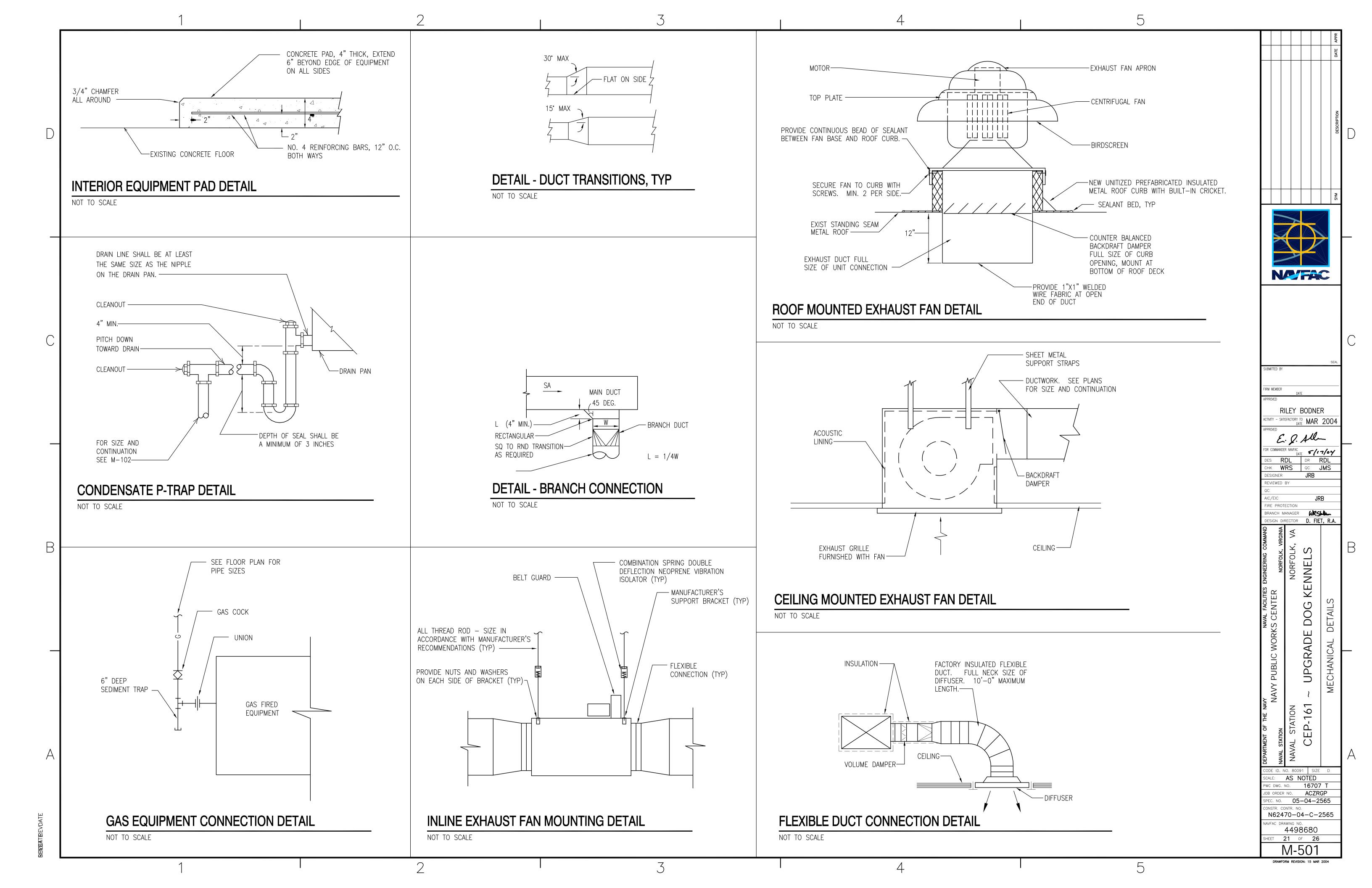
AVFAC DRAWING NO.











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	F	REGISTE	ER AND	DIFFUS	SER SCH	HEDULE				
MARK	TYPE	SERVICE	BLOW	CFM RANGE	NECK SIZE	THROW 5	MAX. P.D. 4	MAX. NC	MODEL #	REMARKS
A	ROUND ADJUSTABLE DIFFUSER	SUPPLY	-	465-480	12ø	13	0.06	23	TMRA-AA	239
B	CEILING DIFFUSER, LOUVERED FACE	SUPPLY	4-WAY	50-100	6ø	9	0.04	10	TDC-AA	236
C	CEILING DIFFUSER, LOUVERED FACE	SUPPLY	4-WAY	140-210	8ø	12	0.10	20	TDC-AA	236
D	CEILING DIFFUSER, LOUVERED FACE	SUPPLY	2-WAY	50-100	6ø	13	0.04	10	TDC-AA	236
E	CEILING FILTER GRILLE	RETURN	_	900-1550	22" x 22"	_	0.04	17	50-FF	367
F	CEILING GRILLE	EXHAUST	-	100-220	8X8	-	0.05	14	50F	2346
G	CEILING GRILLE	EXHAUST	-	225-250	8X8	-	0.05	10	50F	3 8
H	SIDE WALL GRILLE	EXHAUST	_	100-185	8X8	_	0.01	5	550-V	8 10

			HOC	DD S	CHE	DULE		
	MARK	TYPE	LOCATION		SIZE	AIRFLOW	MAX. PRESS. DROP	REMARKS
				WIDTH	HEIGHT	(CFM)	(IWG)	
	H-1	CONDENSATE	FOOD PREP	42"	42"	615	0.10	1
	NOTES:							

SELECTION BASED ON GREENHECK MODEL GD-2 WITH OPTIONAL 8X8 DUCT COLLAR AND CONDENSATE DRAIN CONNECTION.

LOUVER SCHEDULE

6300

| WIDTH | HEIGHT | (CFM) |

REMARKS

PRESS. DROP FREE AREA

(IN. WG.)

0.10

0.08

(SQ. FT.)

7.4

0.88

<u>ES</u> : 1. INDICATED MODEL NUMBER IS AS MANUFACTURED B	Y TITUS	UON.	
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- PROVIDE ALUMNIUM CONSTRUCTION WITH OPPOSED BLADE DAMPER.
- PROVIDE BAKED OFF-WHITE ENAMEL FINISH, INCLUDING HEADS OF SCREWS.
- INDICATED PRESSURE DROP IS AT HIGHEST LISTED AIRFLOW.
- INDICATED THROW IS BASED ON A TERMINAL VELOCITY OF 50 FPM.
- PROVIDE BORDER SUITABLE FOR T-BAR LAY-IN CEILING CONSTRUCTION.
- PROVIDE CUBE CORE TYPE SUITABLE FOR 1" FILTER.
- PROVIDE FRAME SUITABLE FOR SURFACE MOUNTING.

Q.	MOLINT	DIFFLISER	10'-0" AFF.	
Э.	MOONI	DILLOSEIV	IU -U AII.	

10. INDICATED MODEL NO. IS AS MANUFACTURED BY A-J MANUFACTURING CO.

MARK TYPE

NOTES:

LOCATION

LV-1 | INTAKE | RUN CORR | 54" | 36" |

LV-2 EXHAUST STORAGE RM 18" 18" 700

1. SELECTION BASED ON RUSKIN MODEL ELF6375DX.

			CFM	ESP	FAN DA		ΓΑ	ELEC'	TRICAL	DATA	
MARK	SERVICE	TYPE		(IN WG)	RPM	TIP SPEED FPM	MAX. SONES	HP	VOLTS	PHASE	REMARKS
EF-1	EXHAUST	CEILING FAN	75	.250	862	1579	1.6	.009	120	1	3,5
EF-2	EXHAUST	CEILING FAN	75	.250	862	1579	1.6	.009	120	1	3,5
EF-3	EXHAUST	POWER ROOF VENTILATOR	520	.250	786	2469	2.8	1/6	120	1	1,2,5
EF-4	EXHAUST	POWER ROOF VENTILATOR	520	.250	786	2469	2.8	1/6	120	1	1,2,5
EF-5	EXHAUST	POWER ROOF VENTILATOR	520	.250	786	2469	2.8	1/6	120	1	1,2,5
EF-6	EXHAUST	POWER ROOF VENTILATOR	520	.250	786	2469	2.8	1/6	120	1	1,2,5
EF-7	EXHAUST	POWER ROOF VENTILATOR	520	.250	786	2469	2.8	1/6	120	1	1,2,5
EF-8	EXHAUST	POWER ROOF VENTILATOR	520	.250	786	2469	2.8	1/6	120	1	1,2,5
EF-9	EXHAUST	POWER ROOF VENTILATOR	1050	.250	1148	3606	7.4	1/6	120	1	1,2,5
EF-10	EXHAUST	POWER ROOF VENTILATOR	1050	.250	1148	3606	7.4	1/6	120	1	1,2,5
EF-11	EXHAUST	POWER ROOF VENTILATOR	1050	.250	1148	3606	7.4	1/6	120	1	1,2,5
EF-12	EXHAUST	POWER ROOF VENTILATOR	615	.250	1334	3492	7.6	1/6	120	1	5,6
EF-13	EXHAUST	INLINE CENTRIFUGAL	700	.300	971	3050	6.9	1/6	120	1	4,5
EF-14	EXHAUST	CEILING FAN	50	.250	833	1526	1.4	.009	120	1	3,5
EF-15	EXHAUST	POWER ROOF VENTILATOR	230	.200	1303	3453	6.2	1/6	120	1	5,7

- PROVIDE WITH GRAVITY BACKDRAFT DAMPER AND UNIT MOUNTED DISCONNECT SWITCH. FAN SHALL RUN CONTINUOUSLY.
- PROVIDE NEW ROOF CURB TO MATCH EXISTING METAL ROOF CONFIGUTATION. REFER TO SHEET M-501 FOR MOUNTING DETAIL. PROVIDE WITH GRAVITY BACKDRAFT DAMPER AND UNIT MOUNTED DISCONNECT SWITCH. FAN SHALL RUN CONTINUOUSLY.
- 3. PROVIDE WITH BACKDRAFT DAMPER, METAL INTAKE GRILLE AND SPEED CONTROLLER. INTERLOCK WITH LIGHT SWITCH OPERATION.
- 4. PROVIDE WITH GRAVITY BACKDRAFT DAMPER, INTEGRAL DISCONNECT SWITCH AND FLANGE INLET AND OUTLET CONNECTIONS.
- 5. SELECTIONS BASED ON LOREN COOK OR APPROVED EQUAL.
- 6. INTERLOCK FAN OPERATION WITH DISHWASHER USING "HOBART" VENTILATION FAN CONTROL KIT FOR MODEL AM14 DISHWASHER. CONTACT LOCAL HOBART REPRESENATIVE AT 757-424-5500 TO OBTAIN KIT.PROVIDE NEW ROOF CURB TO MATCH EXISTING METAL ROOF CONFIGUTATION. REFER TO SHEET M-501 FOR MOUNTING DETAIL.
- PROVIDE WITH GRAVITY BACKDRAFT DAMPER AND UNIT MOUNTED DISCONNECT SWITCH. FAN SHALL BE CONTROLLED VIA WALL SWITCH LOCATED ADJACENT TO THE ENTRY DOOR OUTSIDE ONE OF THE ISOLATION KENNELS. PROVIDE NEW ROOF CURB TO MATCH EXISTING METAL ROOF CONFIGURATION. REFER TO SHEET M-501 FOR MOUNTING DETAIL.

	HEATING AND VENTILATING UNIT SCHEDULE												
		OA	HEATING DATA			FAN M	OTOR	ELECTRICAL DATA					
MARK	MARK LOCATION	CFM	INPUT OUTPUT EAT LAT	LID		VOLTO	DII	117	AMDC	REMARKS			
			MBH	MBH	°FDB	°FDB	HP	LSP	VOLTS	PH.	HZ.	AMPS	
HV-1	KENNEL RUN CORR	6300	_	374.0	20.0	75.0	5.0	0.50	208	3	60	18.0	1,2,3

- 1. SELECTION BASED ON DIRECT-FIRED MODINE MODEL MDA 115A.
- 2. PROVIDE V-BANK FILTER SECTION, FIELD MOUNTED DISCONNECT AND CONTROL TRANSFORMER.
- 3. PROVIDE MODINE MAXITROL SERIES 44 CONTROL SYSTEM AND PANEL. HV-1 UNIT FAN SHALL RUN CONTINUOUSLY. WINTER SETPOINT SHALL BE 60° F , ADJUSTIBLE.

	GAS FIRED SPLIT SYSTEM FURNACE SCHEDULE																		
		SA	OA		DX COO	DLING COIL D	ATA			HEATING	DATA		FAN M	IOTOR	ELI	ECTRIC	AL DA	ГА	
MARK	LOCATION	CFM	CFM	SEN.	TOTAL	EAT	LAT	4		OUTPUT	1	LAT	HP	FSP	VOLTS	PH.	HZ.	AMPS	REMARKS
				MBH	MBH	°FDB °FWB	*FDB   *FWB	IN. WC.	MBH	MBH	°FDB	°FDB			10210			"""	
F-1	MECH RM	1700	200	43.6	53.4	79.1 65.2	56.7 55.4	7.1	88.0	71.0	61.3	99.9	1/2	0.5	120	1	60	9.8	1,2,3,4

### NOTES:

В

- 1. SELECTION BASED ON CARRIER 58DLA09016 WITH MODEL NO. CK5A060 CASED DX COIL AND MODEL NO. 38CKC060 CONDENSING UNIT.
- 2. CONDENSING UNIT CAPACITY BASED ON 95 DEG F AMBIENT AIR TEMPERATURE.
- 3. CONDENSING UNIT ELECTRICAL DATA AS FOLLOWS:
- 240V/1PH/60HZ; 37.5 MCA 4. REFERIGERANT TYPE: R22
- 5. GAS SYSTEM SIZING IS BASED ON 0.5 PSIG.

HVAC DESIGN CONDITIONS												
		INDOOI	RS	OUTDOORS								
CONDITIONED AREA	SUMI	MER	WINTER		SUMMER	WINTER						
CONDITIONED MILEN	°FDB	%RH	°FDB	°FDB	MEAN COINCIDENT 'FWB	°FDB						
ADMINSTRATION	75	50	68	91	77	20						
KENNEL, TREATMENT, FOOD PREP			60			20						

M-601 DRAWFORM REVISION: 15 MAR 2004

N62470-04-C-2565

4498681 ET **22** OF **26** 

SCALE: AS NOTED PWC DWG. NO. 16707 U JOB ORDER NO. ACZRGP O5-04-2565

CONSTR. CONTR. NO.

AVFAC DRAWING NO.

NO/FAC

RILEY BODNER

ACTIVITY - SATISFACTORY TO MAR 2004

E. Q. Alla

R COMMANDER NAVFAC

DES RDL DR RDL

CHK WRS QC JMS DESIGNER JRB

RANCH MANAGER WRShim esign director D. FIET, R.A.

JRB

CHEDULE

FIRM MEMBER

